

### Abstract

A method and system for maintaining persistence of graphical markups created within a collaboration environment that associates graphical markups with the camera position is presented. The collaboration tool provides utilities to

5 allow saving the graphical markups to the user's local disk, saving the graphical markups into a PDM system (either locally or remotely), and saving the entire collaboration session including graphical markups, notes, action items, etc. When saved to persistent storage, all the camera positions and all graphical markups associated with them are stored in the markup file. The saved

10 markups/session can later be reloaded from the user's local disk or a PDM system as appropriate. When a session is loaded into the collaboration session, all of the camera positions and associated graphical markups from the saved session are then accessible, allowing simple viewing of the results of the session, continuation-of-work, or asynchronous collaboration. After a markup file is

15 loaded the contents are accessible to all the members of the current collaboration session.